

# PATENT ABSTRACTS OF JAPAN

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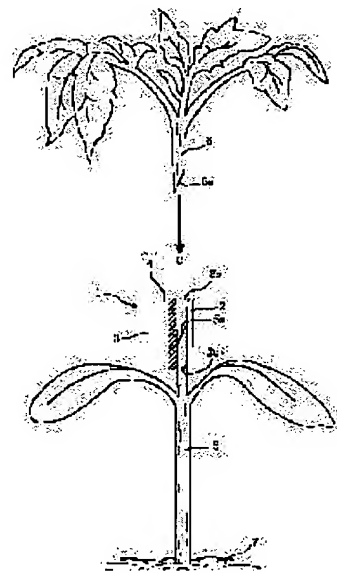
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## (54) GRAFTING HOLDER

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a grafting holder not requiring recovery after the use.

**SOLUTION:** A top end part of a rootstock 5 from which the upper part is removed by obliquely cutting is inserted into a grafting holder 1 from a bottom hole 2c of a supporter 2. A lower end part of a scion 6 from which the lower part is removed by obliquely cutting is inserted into the grafting holder 1 from a top hole 2b of the supporter 2. The inserted scion 6 is joined and rooted with the rootstock 5 by being pressed and fixed with the supporter 2 in a state that the cut face 6a of the scion 6 is joined to the cut face 5a of the rootstock 5. After the rooting, the grafting grows and becomes thick, an opening of a crack 2a in the grafting holder 1 is widened, then the grafting holder 1 is fallen from the grafting and spontaneously fallen in the earth 7. Since the fallen grafting holder 1 is made of a biodegradable resin of a copolymer of caprolactone and a lactide, it is decomposed to carbon dioxide gas and water by soil microorganisms.



## LEGAL STATUS

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**\* NOTICES \***

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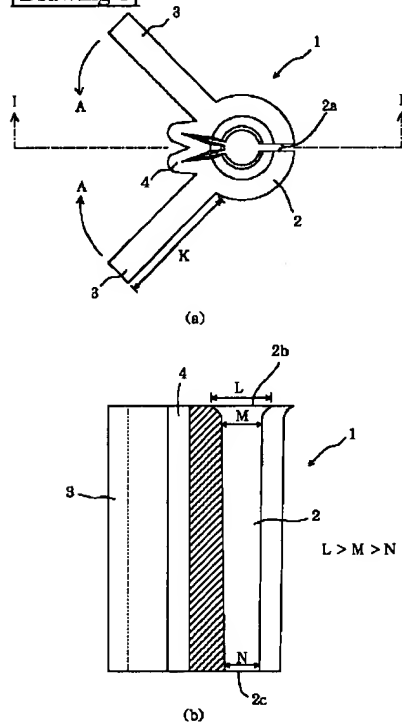
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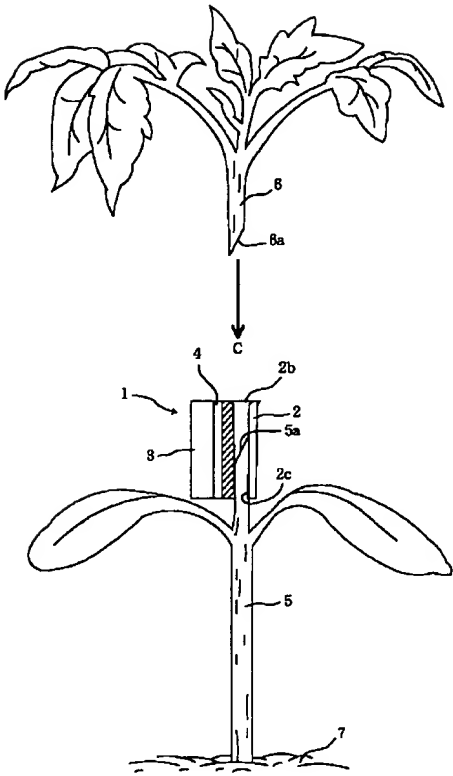
**DRAWINGS**

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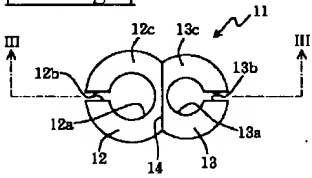
**[Drawing 1]**



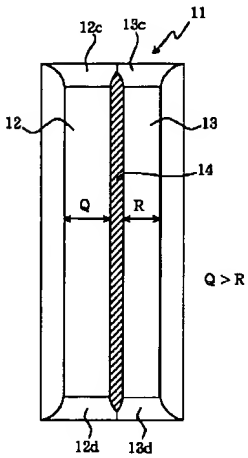
**[Drawing 2]**



[Drawing 3]



(a)



(b)

[Translation done.]

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**CLAIMS**

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[Claim(s)]

[Claim 1] The crack which reaches the inner circumference of the tubed base material by which the upper and lower sides were opened wide, and the aforementioned base material prepared in the vertical direction of the base material, By having the side attachment wall of the couple which separated the predetermined interval to the peripheral wall of the aforementioned base material, and was prepared in the vertical direction, and gathering the side attachment wall of the couple in the direction which approaches mutually In the graft electrode holder which enlarges opening of the aforementioned crack, and the bore of the aforementioned base material, and inserts a stock or a scion into the base material The graft electrode holder characterized by having had the elastic wall which has elasticity between the side attachment walls of the aforementioned couple among the aforementioned base materials, and fabricating the aforementioned base material, the aforementioned side attachment wall, and the aforementioned elastic wall to one with a biodegradability resin.

[Claim 2] It is the graft electrode holder according to claim 1 characterized by for the protrusion length from the aforementioned base material of each aforementioned side attachment wall being constituted by 1/2 or less abbreviation of the aforementioned base material length, forming the aforementioned elastic wall in V typeface or W typeface, and forming the bore of the upper limit of the aforementioned base material more greatly than the bore of the abbreviation center section.

[Claim 3] In the graft electrode holder equipped with the base material which supports the support supporting graft and its graft the aforementioned base material The 1st breakthrough penetrated in the vertical direction of the base material, and the 1st crack prepared in the vertical direction of the aforementioned base material which reaches the inner circumference of the 1st breakthrough, It is the graft electrode holder which is equipped with the 2nd breakthrough penetrated in the vertical direction of the aforementioned base material in which the 1st breakthrough of the above differs from a size, and the 2nd crack prepared in the vertical direction of the aforementioned base material which reaches the inner circumference of the 2nd breakthrough, and is characterized by fabricating the aforementioned base material with the biodegradability resin.

[Claim 4] The graft electrode holder characterized by being fabricated with the biodegradability resin which covers the joint of the upper-limit section of a stock, and the soffit section of a scion, and carries out sticking-by-pressure fixation of the joint.

[Claim 5] The aforementioned biodegradability resin is a graft electrode holder given in either of the claims 1-4 characterized by being constituted by the copolymer of a caprolactone and a lactide.

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[Translation done.]